

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

OCT 26 2006

Attorney Docket Number	23-70761-01
Application Number	10/646,264
Filing Date	August 22, 2003
First Named Inventor	Bradley R. Johnson
Art Unit	1762
Examiner Name	David P. Turocy

U.S. PATENT DOCUMENTS

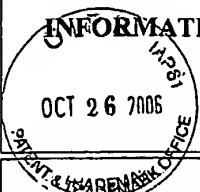
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Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
DT		3,883,214	3/1975	Hoffman
		4,095,011	6/1978	Hawrylo et al.
		4,126,732	11/1978	Schoolar et al.
		4,127,414	11/1978	Yoshikawa et al.
		4,234,625	11/1980	Petrov et al.
		4,279,464	7/1981	Columbini
		4,296,191	10/1981	Jacobson et al.
		4,368,099	1/1983	Huggett et al.
		4,405,879	9/1983	Ataka et al.
		4,533,593	8/1985	Miyata et al.
		4,840,922	6/1989	Kobayashi et al.
		4,849,070	7/1989	Bly et al.
		4,927,771	5/1990	Ferrett
		5,015,052	5/1991	Ridgeway et al.
		5,581,091	12/1996	Moskovits et al.
↓		5,591,312	1/1997	Smalley
DT		5,726,524	3/1998	Debe

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DT		5,783,498	7/1998	Dotta
		5,866,204	2/1999	Robbie et al.
		5,916,642	6/1999	Chang
		6,033,766	3/2000	Block et al.
		6,087,197	7/2000	Eriguchi et al.
		6,103,540	8/2000	Russell et al.
		6,159,831	12/2000	Thrush et al.
		6,248,674	6/2001	Kamins et al.
		6,313,015	11/2001	Lee et al.
		6,432,740	8/2002	Chen
		6,444,256	9/2002	Musket et al.
		6,458,621	10/2002	Beck
		6,459,095	10/2002	Heath et al.
		6,465,132	10/2002	Jin
↓		6,586,095	7/2003	Wang et al.
DT		2004/0206448	10/2004	Dubrow

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Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
DT		Baidakova et al., "Nano-scale medium-range order in semiconducting glassy chalcogenides," <i>Journal of Non-Crystalline Solids</i> , 192 & 193, pp. 149-152 (1995).
		Brust et al., "Langmuir-Blodgett Films of Alkane Chalcogenide (S,Se,Te) Stabilized Gold Nanoparticles," <i>Nano Letters</i> , Vol. 1, No. 4, pp. 189-191 (2001).
		Chae et al., "Optical and magnetic properties induced by structural confinement of ternary chalcogenide in A1MCM-41 nanotube," <i>Chemical Physics Letters</i> , Vol. 341, pp. 279-284 (2001).
		D'yakonenko et al., "Nanostructure of the Amorphous Films of Glass Forming Halcogenide Compounds," No. 3, pp. 57-60 (2003).
		Hu et al., "Chemistry and Physics in One Dimension: Synthesis and Properties of Nanowires and Nanotubes," <i>Acc. Chem. Res.</i> , Vol. 32, No. 5, pp. 435-445 (1999).
		Kikineshi et al., "Nanolayered Chalcogenide Glass Structures for Optical Recording," <i>Pergamon, NanoStructured Materials</i> , Vol. 12, pp. 417-420 (1999).
		Kolobov et al., "A nanometer scale mechanism for the reversible photostructural change in amorphous chalcogenides," <i>Journal of Non-Crystalline Solids</i> , 232-234, pp. 80-85 (1998).
		Li et al., "Sonochemical synthesis of nanocrystalline lead chalcogenides: PbE (E = S, Se, Te)," <i>Materials Research Bulletin</i> , Vol. 38, pp. 539-543 (2003).
		Li et al., "Room-temperature conversion route to nanocrystalline mercury chalcogenides HgE (E = S,Se,Te), <i>Journal of Physics and Chemistry of Solids</i> , Vol. 60, pp. 965-698 (1999).
		Lieber, "Nanowire Superlattices," <i>Nano Letters</i> , Vol. 2, No. 2, pp.81-82 (2002).
		Liu et al., "Growth of amorphous silicon nanowires," <i>Chemical Physics Letters</i> , 341, pp. 523-528 (2001).
DT		Malik et al., "Air-Stable Single-Source Precursors for the Synthesis of Chalcogenide Semiconductor Nanoparticles," <i>Chem. Mater.</i> , Vol. 13, No. 3, pp. 913-920 (2001).

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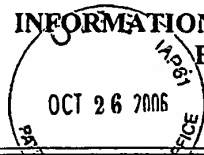
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DT		Malik et al., "A Simple Route to the Synthesis of Core/Shell Nanoparticles of Chalcogenides," <i>Chem. Mater.</i> , Vol. 14, No. 5, pp. 2004-2010 (2002).
		Morales et al., "A Laser Ablation Method for the Synthesis of Crystalline Semiconductor Nanowires," <i>Science</i> , Vol. 279, pp. 208-211 (January 9, 1998).
		Nesheva et al., "Nanoparticle layers of CdSe buried in oxide and chalcogenide thin film matrices," <i>Vacuum</i> , Vol. 65, pp. 109-113 (2002).
		Peng et al., "Electrochemical fabrication of ordered Bi ₂ S ₃ nanowire arrays," <i>J. Phys. D: Appl. Phys.</i> , Vol. 34, pp. 3224-3228 (2001).
		Peng et al., "Synthesis of highly ordered CdSe nanowire arrays embedded in anodic alumina membrane by electrodeposition in ammonia alkaline solution," <i>Chemical Physics Letters</i> , Vol. 343, pp. 470-474 (2001).
		Qian et al., "Solvent-thermal preparation of nanocrystalline tin chalcogenide," <i>Journal of Physics and Chemistry of Solids</i> , Vol. 60, pp. 415-417 (1999).
		Rajamathi et al., "Oxide and chalcogenide nanoparticles from hydrothermal/solvothermal reactions," <i>Current Opinion in Solid State and Materials Science</i> , Vol. 6, pp. 337-345 (2002).
		Rao et al., "Inorganic nanotubes," <i>Dalton Trans.</i> , pp. 1-24 (2003).
		Routkevitch et al., "Electrochemical Fabrication of CdS Nanowire in Porous Anodic Aluminum Oxide Templates," <i>J. Phys. Chem.</i> , Vol. 100, No. 33, pp. 14037-14047 (1996).
		Seifert et al., "Stability of Metal Chalcogenide Nanotubes," <i>J. Phys. Chem. B</i> , Vol. 106, No. 10, pp. 2497-2501 (2002).
		Wang et al., "Si nanowires grown from silicon oxide," <i>Chemical Physics Letters</i> , Vol. 299, pp. 237-242 (1999).
		Wang et al., "Transmission electron microscopy evidence of the defect structure in Si nanowires synthesized by laser ablation," <i>Chemical Physics Letters</i> , Vol. 283, pp. 368-372 (1998).
		Yan et al., "Growth of amorphous silicon nanowires via a solid-liquid-solid mechanism," <i>Chemical Physics Letters</i> , Vol. 323, pp. 224-228 (2000).
		Yang et al., "Nanostructured high-temperature superconductors: Creation of strong-pinning columnar defects in nanorod/superconductor composites," <i>J. Mater. Res.</i> , Vol. 12, No. 11, pp. 2981-2996 (Nov. 1997).
DT		Zhang et al., "Synthesis of nanocrystalline lead chalcogenides PbE (E = S, Se, or Te) from alkaline aqueous solutions," <i>Materials Research Bulletin</i> , Vol. 35, pp. 209-215 (2000).

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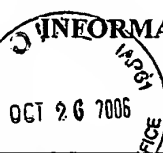
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		Zhang et al., "Morphology and growth mechanism study of self-assembled silicon nanowires synthesized by thermal evaporation," <i>Chemical Physics Letters</i> , Vol. 337, pp. 18-24 (2001).	

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